



# STIC Search Report

## EIC 2100

**STIC Database Tracking Number: 169068**

**TO: Neveen Abel-Jalil**  
**Location: RND-3A20**

**Art Unit: 2165**  
**Monday, July 03, 2006**  
**Case Serial Number: 10/047,863**

**From: Lance Sealey**  
**Location: EIC 2100**  
**RND-4B11**

**Phone: 571-272-8666**

**Lance.Sealey@uspto.gov**

### Search Notes

Dear Neveen,

Sorry, I could not find a satellite model with the intelligence disclosed in your application's claims.

Please feel free to call, email or visit me if you have any questions or concerns.

Lance

Set	Items	Description
S1	73170	SATELLITE? ? OR ORBITER? ? OR ORBITOR? ? OR LEO OR ICO OR - MEO OR GEO OR GSO OR HEO OR MOLNIYA OR HELIOSYNCHRONOUS OR LTO OR HOHMANN()TRANSFER OR SUPERSYNCHRONOUS OR SUBSYNCHRONOUS
S2	1262422	SENSOR? ? OR TRANSPONDER? ? OR RECEIVER? ?
S3	127853	MODEL? ?
S4	4299932	PARAMETER? ? OR VARIABLE? ? OR PARAMETRE? ? OR DATA OR INF- ORMATION OR INPUT
S5	1700653	IMPORTAN?? OR REQUIR???? OR REQUEST??? OR ESSENTIAL? ? OR - NECESS?????
S6	1364858	EVALUAT??? OR DETERMIN????? OR RANK??? OR DECID??? OR DECI- S???
S7	1289	LINEAR()REGRESSION OR (BEST OR OPTIM??) ()FIT
S8	368296	DERIVATIVE OR DIFFERENTIATION
S9	55569	CONSTRAINT? ? OR LIMITATION? ? OR (INCOMPLETE OR PARTIAL OR MISSING OR INSUFFICIENT OR IMPERFECT OR INADEQUATE) (3N)S4
S10	2916896	FEEDBACK OR FEED()BACK OR GUIDANCE OR SUPERVISION OR DIREC- TION OR REPRIORITI????? OR TRAIN??? OR CORRECT???
S11	59612	(BASE OR (TRANSMISSION()RECEPTION) OR (GPS()REFERENCE)) ()S- TATION? ?
S12	0	S1 AND S2 AND S3 AND S4 AND S5 AND S6 AND S7 AND S8 AND S9 AND S10 AND S11
S13	1	S1 AND S3 AND S7 AND S8
S14	2	(S1 AND S7 AND S8) NOT S13
S15	184	(S1 AND S2 AND S3) NOT (S13 OR S14)
S16	5	(S1 AND S2 AND S3 AND S4 AND S5 AND S6) NOT (S13 OR S14)
S17	7	(S15 AND (S7 OR S8)) NOT (S13:S14 OR S16)
S18	0	(S15 AND S10 AND S11) NOT (S13:S14 OR S16:S17)
S19	4	(S15 AND ((DECISION()SUPPORT???) OR (LEARN??? OR PROGRESS?- ??))) NOT (S16:S17)
S20	7	AU=((BERGMAN L? OR BERGMAN, L?) AND (CHANG Y? OR CHANG, Y?) AND (LI C? OR LI, C?) AND (SMITH J? OR SMITH, J?))
S21	3	(S15 AND (IC=(G06F-007/00) OR MC=T01)) NOT (S13:S14 OR S16- :S17 OR S19:S20)
S22	0	(AU=(BERGMAN L? OR BERGMAN, L? OR CHANG Y? OR CHANG, Y? OR LI C? OR LI, C? OR SMITH J? OR SMITH, J?) AND S1 AND S2 AND S- 3) NOT (AD=(20000119:20030119) OR AD=(20030120:20060703) OR S- 13:S14 OR S16:S17 OR S19:S21)

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File 347:JAPIO Dec 1976-2005/Dec(Updated 060404)  
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File 350:Derwent WPIX 1963-2006/UD,UM &UP=200641  
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20/5/6 (Item 5 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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014821931 \*\*Image available\*\*  
WPI Acc No: 2002-642637/200269  
Related WPI Acc No: 2004-387423  
XRPX Acc No: N02-507968

Data transmission control apparatus for environmental information gathering system, transmits prioritized physical parameter data to base station which provides progressive feedback corresponding to subsequent processing

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC )  
Inventor: BERGMAN L D ; CHANG Y ; LI C ; SMITH J R  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020099689	A1	20020725	US 2001263026	P	20010119	200269 B
			US 2001263039	P	20010119	
			US 200247863	A	20020116	

Priority Applications (No Type Date): US 200247863 A 20020116; US 2001263026 P 20010119; US 2001263039 P 20010119

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020099689	A1		10	G06F-007/00	Provisional application US 2001263026

Provisional application US 2001263039

Abstract (Basic): US 20020099689 A1

NOVELTY - A progressive decision support module (204) directs a controller to obtain data defining physical parameters such as sound, temperature in an area of interest and assigns a transmission priority to the data. A transmitter (206) transmits a prioritized data to a base station (203) which provides progressive feedback to the decision module to adjust the priority corresponding to subsequent processing.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for data transmission control method.

USE - For transmission of physical parameter data such as sound, temperature, moisture, light sensed using data gathering satellite, weather station environmental satellite in distributed environmental information gathering system, for detecting environmental hazards e.g. forest fire.

ADVANTAGE - Enables decision maker to highly utilize the physical parameters by combined optimization of progressive data representation and transmission. Enables suitable selection of the physical parameters which provide most useful information with reduced measurement errors, thereby increasing accuracy.

DESCRIPTION OF DRAWING(S) - The figure shows the flow diagram illustrating the operation of decision support system.

Base station (203)

Progressive decision support module (204)

Transmitter (206)

pp; 10 DwgNo 2/4

Title Terms: DATA; TRANSMISSION; CONTROL; APPARATUS; ENVIRONMENT; INFORMATION; GATHER; SYSTEM; TRANSMIT; PHYSICAL; PARAMETER; DATA; BASE; STATION; PROGRESS; FEEDBACK; CORRESPOND; SUBSEQUENT; PROCESS

Derwent Class: T01

International Patent Class (Main): G06F-007/00

File Segment: EPI

Set	Items	Description
S1	671542	SATELLITE? ? OR ORBITER? ? OR ORBITOR? ? OR LEO OR ICO OR - MEO OR GEO OR GSO OR HEO OR MOLNIYA OR HELIOSYNCHRONOUS OR LTO OR HOHMANN()TRANSFER OR SUPERSYNCHRONOUS OR SUBSYNCHRONOUS
S2	1423152	SENSOR? ? OR TRANSPONDER? ? OR RECEIVER? ?
S3	9163253	MODEL? ?
S4	15080202	PARAMETER? ? OR VARIABLE? ? OR PARAMETRE? ? OR DATA OR INF- ORMATION OR INPUT
S5	7748856	IMPORTAN?? OR REQUIR???? OR REQUEST??? OR ESSENTIAL? ? OR - NECESS?????
S6	11720488	EVALUAT??? OR DETERMIN????? OR RANK??? OR DECID??? OR DECI- S???
S7	102297	LINEAR()REGRESSION OR (BEST OR OPTIM??) ()FIT
S8	928834	DERIVATIVE OR DIFFERENTIATION
S9	1246459	CONSTRAINT? ? OR LIMITATION? ? OR (INCOMPLETE OR PARTIAL OR MISSING OR INSUFFICIENT OR IMPERFECT OR INADEQUATE) (3N)S4
S10	3670867	FEEDBACK OR FEED()BACK OR GUIDANCE OR SUPERVISION OR DIREC- TION OR REPRIORITI?????? OR TRAIN??? OR CORRECT???
S11	31623	(BASE OR (TRANSMISSION()RECEPTION) OR (GPS()REFERENCE)) ()S- TATION? ?
S12	0	S1 AND S2 AND S3 AND S4 AND S5 AND S6 AND S7 AND S8 AND S9 AND S10 AND S11
S13	1	S1 AND S3 AND S7 AND S8
S14	3	(S1 AND S7 AND S8) NOT S13
S15	13208	(S1 AND S2 AND S3) NOT (S13 OR S14)
S16	1089	(S1 AND S2 AND S3 AND S4 AND S5 AND S6) NOT (S13 OR S14)
S17	24	(S16 AND (S7 OR S8)) NOT (S13 OR S14)
S18	18	RD (unique items)
S19	4	S16 AND S10 AND S11
S20	412	(S1 AND S2 AND S3 AND ((DECISION()SUPPORT???) OR (LEARN???) OR PROGRESS???) NOT (S13:S14 OR S18:S19)
S21	52	S20 AND S5 AND S6
S22	44	RD (unique items)
S23	22	S22 AND (PY<2001 OR PD<20000119)
S24	25	AU=((BERGMAN L? OR BERGMAN, L?) AND (CHANG Y? OR CHANG, Y?) AND (LI C? OR LI, C?) AND (SMITH J? OR SMITH, J?))
S25	13	RD (unique items)
S26	123969	AU=(BERGMAN L? OR BERGMAN, L? OR CHANG Y? OR CHANG, Y? OR - LI C? OR LI, C? OR SMITH J? OR SMITH, J?)
S27	13	(AU=(BERGMAN L? OR BERGMAN, L? OR CHANG Y? OR CHANG, Y? OR LI C? OR LI, C? OR SMITH J? OR SMITH, J?) AND (PY<2001 OR PD<- 20000119) AND S1 AND S2 AND S3) NOT (S13:S14 OR S18:S19 OR S23 OR S25)

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